

**[0043]**

Sequence list

<110> Applicant name : President of Nara Institute of Science and Technology

<120> Title of the invention : A GENE WHICH EXHIBITS INDUCED EXPRESSION BY STRESS

<160> The number of sequences : 3

<210> SEQ ID NO: 1

<211> The length of the sequence : 308

<212> Type of the sequence : amino acid

<213> Origin : The leaf of Nicotiana tabacum cv.Xanthi nc

<400> Sequence

MLTRGLLFAC VLLLVTLISS SKAQDISQCV PSSCGDIQIK FPFRLRTDPE HCGRRGYELD	60
CQNNQTVFNY KSRIFDVQEI NYRSYSIRLL DPGLNDQREN CTVFPNHRAS YDAMTSQIFE	120
WVRVNNDINY VNCLAPINSS QYIPTSFC SK NSTGFSYLV I REILQASDLA GGCRVETVAW	180
SSAPGISSNK SSTLSSTHQQ LAYGFELSWK RNLLCRNCDR SRGGECTIEE NSDRATCRYW	240
CKEDIHVSKL TFRCKVEYYS VYVLFFGGIG IGGVLAXRFL LGIPILIAAV VWQCKRRNLH	300
TSSDEQNC	308

<210> SEQ ID NO: 2

<211> The length of the sequence : 927

<212> Type of the sequence : nucleic acid

<213> Origin : The leaf of Nicotiana tabacum cv.Xanthi nc

<400> Sequence

ATGTTGACAA GAGGGCTGCT TTTCGCTTGT GTTTTGTTAC TTGTGACACT CATAAGCAGT 60  
TCTAAAGCGC AGGATATTTT TCAATGTGTC CCTTCTTCCT GCGGTGATAT TCAAATAAAA 120  
TTTCCCTTCC GACTGAGGAC TGATCCCGAG CATTGTGGTA GACGCGGATA TGAGCTCGAT 180  
TGCCAGAACA ACCAAACCGT GTTCAATTAC AAATCCAGAA TTTTCGACGT ACAGGAAATT 240  
AACTACAGAA GCTACTCAAT AAGGCTACTT GATCCTGGCC TAAATGATCA GAGAGAAAAT 300  
TGCACAGTTT TTCCAAATCA CAGGGCAAGT TATGATGCCA TGACTAGCCA AATCTTTGAA 360  
TGGGTTCGTG TTAACAATGA TATCAACTAT GTCAACTGTC TAGCTCCTAT CAATTCGTCA 420  
CAGTATATTC CTACAAGTTT TTGTAGCAAA AATTCAACGG GTTTGTAGCTA CCTTGTCATA 480  
AGAGAAATAT TGCAAGCTTC GGATTTGGCT GGCGGCTGTA GGGTTGAAAC TGTTGCATGG 540  
TCCTCTGCTC CAGGCATTTT ATCAAACAAG TCGTCTACGT TATCAAGCAC ACATCAAGGC 600  
CTGGCTTATG GGTTTGAGCT TTCTTGGAAG CGTAATCTGT TATGTAGAAA TTGCGACCGG 660  
AGTCGTGGGG GTGAGTGCAC TATTGAAGAA AACAGCGACA GAGCTACTTG TCGTTATTGG 720  
TGCAAAGAGG ACATTCACGT TTCGAAGCTT ACGTTCCGAT GCAAAGTCGA GTACTATTCT 780  
GTTTATGTAT TGTTCTTTGG CGGTATAGGA ATAGGTGGAG TTTTGGCGCT AAGATTTCTA 840  
CTAGGAATTC CAATCTTGAT CGCAGCAGTG GTGTGGCAGT GCAAAGACG GAATTTGCAT 900  
ACATCCTCCG ATGAACAGAA CTGTAA 927

<210> SEQ ID NO: 3

<211> The length of the sequence : 1210

<212> Type of the sequence : nucleic acid

<213> Origin : The leaf of Nicotiana tabacum cv.Xanthi nc

<400> Sequence

TATATTCAAT TGAAAACATG TTGACAAGAG GGCTGCTTTT CGCTTGTGTT TTGTTACTTG 60  
TGACACTCAT AAGCAGTTCT AAAGCGCAGG ATATTTCTCA ATGTGTCCCT TCTTCCTGCG 120  
GTGATATTCA AATAAAATTT CCCTTCCGAC TGAGGACTGA TCCCGAGCAT TGTGGTAGAC 180  
GCGGATATGA GCTCGATTGC CAGAACAACC AAACCGTGTT CAATTACAAA TCCAGAATTT 240  
TCGACGTACA GGAAATTAAC TACAGAAGCT ACTCAATAAG GCTACTTGAT CCTGGCCTAA 300  
ATGATCAGAG AGAAAATTGC ACAGTTTTTC CAAATCACAG GGCAAGTTAT GATGCCATGA 360  
CTAGCCAAAT CTTTGAATGG GTTCGTGTTA ACAATGATAT CAACTATGTC AACTGTCTAG 420  
CTCCTATCAA TTCGTCACAG TATATTCCTA CAAGTTTTTG TAGCAAAAAT TCAACGGGTT 480  
TTAGCTACCT TGTCATAAGA GAAATATTGC AAGCTTCGGA TTTGGCTGGC GGCTGTAGGG 540  
TTGAAACTGT TGCATGGTCC TCTGCTCCAG GCATTTTCATC AAACAAGTCG TCTACGTTAT 600  
CAAGCACACA TCAAGGCCTG GCTTATGGGT TTGAGCTTTC TTGGAAGCGT AATCTGTTAT 660  
GTAGAAATTG CGACCGGAGT CGTGGGGGTG AGTGCACTAT TGAAGAAAAC AGCGACAGAG 720  
CTACTTGTCG TTATTGGTGC AAAGAGGACA TTCACGTTTC GAAGCTTACG TTCCGATGCA 780  
AAGTCGAGTA CTATTCTGTT TATGTATTGT TCTTTGGCGG TATAGGAATA GGTGGAGTTT 840  
TGGCGCTAAG ATTTCTACTA GGAATTCCAA TCTTGATCGC AGCAGTGGTG TGGCAGTGCA 900  
AAAGACGGAA TTTGCATACA TCCTCCGATG AACAGAACTG TTAAGATTTT TGCTAGTCAA 960  
GCTATTTTAA CAGAAGTTTG TGTATTTTTT TCAGAAAATC TAGGACAAGG TCAACCTGTG 1020  
CTGGCGATTA ATTACTAGGA TTTTCTTTC CAGTTTAGTC CTGTATTTTA TTTGATATTC 1080  
TTACCTATTT GATTGTGTAT GATTTTTTTC CTAAAATTT TATAATTTTC CTAATTCTTG 1140  
TAAGTAATTG AATGGATATT TGTACTTTCT GTCAATAATA GAACAAGACA TTCGCAAAAA 1200  
AAAAAAAAAA 1210